Claims:

1. A Group B Streptococcus protein having a sequence selected from those described in fig 1, or fragments or derivatives thereof.

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2. A Group B Streptococcus polypeptide or peptide having a sequence selected from those described in fig 2, or fragments or derivatives thereof.

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3. Derivatives or variants of the proteins, polypeptides, and peptides as claimed in claims 1 and 2 which show at least 50% identity to those proteins, polypeptides and peptides claimed in claims 1 and 2.

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4. A nucleic molecule comprising or consisting of a sequence which is:

RNA equivalents;

(i)

(ii) a sequence which is complementary to any of the sequences of (i);

(iii) a sequence which codes for the same protein or polypeptide, as those sequences of (i) or (ii);

any of the DNA sequences set out in figure 1 and figure 2 herein or their

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- (iv) a sequence which shows substantial identity with any of those of (i), (ii) and (iii); or
- (v) a sequence which codes for a derivative, or fragment of a nucleic acid molecule shown in figure 1 or figure 2.

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- 5. A vector comprising DNA encoding for the expression of any one or more proteins, polypeptides, peptides, fragments or derivitives thereof, as claimed in claims 1 to 3.
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- 6. A vector as claimed in claim 5 further comprising DNA encoding any one or more of the following: promoters, enhancers, signal sequences, leader sequences,

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translation start and stop signals, DNA stability controlling regions, or a fusion partner.

- 7. The use of a vector as claimed in claims 5 and 6 in the transformation or transfection of a prokaryotic or eukaryotic host.
 - 8. A host cell suitable for the transformation of vector as claimed in claims 5 and 6.
- 9. An antibody, an affibody, or a derivative thereof which binds to one or more of the proteins, polypeptides, peptides, fragments or derivatives thereof, as claimed in any one of claims 1 to 3.
- 10. An immunogenic composition comprising one or more of the proteins, polypeptides, peptides, fragments or derivatives thereof, or nucleic acid sequences as claimed in any one or more of claims 1-3 and claim 4.
 - 11. An immunogenic composition as claimed in claim 10 which is a vaccine.
- 20 12. Use of an immunogenic composition as a claimed in claim 10 in the preparation of a medicament for the treatment or prophylaxis of *Group B Streptococcus* infection.
- 13. A method of detection of *Group B Streptococcus* which comprises the step of bringing into contact a sample to be tested with at least one antibody, affibody, or a derivative thereof, as described herein.
 - 14. A method of detection of *Group B Streptococcus* which comprises the step of bringing into contact a sample to be tested with at least one protein, polypeptide, peptide, fragments or derivatives as described herein.

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- 15. A method of detection of *Group B Streptococcus* which comprises the step of bringing into contact a sample to be tested with at least one nucleic acid molecule as described herein.
- 16. A kit for the detection of *Group B Streptococcus* comprising at least one antibody, affibody, or derivatives thereof as claimed in claim 9.
- 17. A kit for the detection of *Group B Streptococcus* comprising at least one *Group*10 B Streptococcus protein, polypeptide, peptide, fragment or derivative thereof as claimed in claims 1 to 3.
 - 18. A kit for the detection of *Group B Streptococcus* comprising at least one nucleic acid molecule as claimed in claim 4.
 - 19. A method of screening for DNA encoding bacterial cell envelope associated or surface antigens in gram positive bacteria comprising the steps of:
 - combining a reporter vector including the nucleotide sequence encoding the mature from of the staphylcoccus nuclease gene and an upstream promoter region with DNA from a gram positive bacteria.
 - transforming the resultant vector into Lactococcus lactis cells.
 - assaying for the secretion of staphlycoccus nuclease protein in the transformed cells.
- 25 20. A method as claimed in claim 19 wherein the reporter vector is one of the pTREP1-nuc vectors shown in figure 4.
 - 21. A method as claimed in claim 19 or claim 20 wherein the gram positive bacteria is Group B Streptococcus, Streptococcus Pneumoniae, Staphylcoccus aureus or pathogenic group A streptococci.

- 22. A vector as shown in figure 4 for use in screening for DNA encoding bacterial cell envelope associated or secreted antigens in gram positive bacteria.
- 5 23. A method of determining whether a protein, polypeptide, peptide, fragment or derivative thereof as claimed in claims 1 to 3 represents a potential anti-microbial target which comprises inactivating said protein and determining whether *Group B Streptococcus* is still viable.